

## Title (en)

GASTRIN-RECEPTOR-AVID PEPTIDE CONJUGATES

## Title (de)

PEPTID-KONJUGATE MIT AFFINITÄT FÜR GASTRIN-REZEPTOREN

## Title (fr)

CONJUGUES PEPTIDIQUES AVID DU RECEPTEUR LIBERANT LA GASTRINE

## Publication

**EP 1385556 A4 20051019 (EN)**

## Application

**EP 02725889 A 20020430**

## Priority

- US 0213840 W 20020430
- US 84713401 A 20010502

## Abstract (en)

[origin: US2006067886A1] A compound for use as a therapeutic or diagnostic radiopharmaceutical includes a group capable of complexing a medically useful metal attached to a moiety which is capable of binding to a gastrin releasing peptide receptor. A method for treating a subject having a neoplastic disease includes administering to the subject an effective amount of a radiopharmaceutical having a metal chelated with a chelating group attached to a moiety capable of binding to a gastrin releasing peptide receptor expressed on tumor cells with subsequent internalization inside of the cell. A method of forming a therapeutic or diagnostic compound includes reacting a metal synthon with a chelating group covalently linked with a moiety capable of binding a gastrin releasing peptide receptor.

## IPC 1-7

**A61K 51/00**; **A61M 36/14**; **A61K 51/08**

## IPC 8 full level

**A61K 51/08** (2006.01)

## CPC (source: EP US)

**A61K 51/088** (2013.01 - EP US)

## Citation (search report)

- [X] WO 9847524 A1 19981029 - CURATOR OF THE UNIVERSITY OF M [US], et al
- [X] HOFFMAN T J ET AL: "SYNTHESIS AND CHARACTERIZATION OF 105RH LABELLED BOMBESIN ANALOGUES: ENHANCEMENT OF GRP RECEPTOR BINDING AFFINITY UTILIZING ALIPHATIC CARBON CHAIN LINKERS", JOURNAL OF LABELLED COMPOUNDS AND RADIOPHARMACEUTICALS, SUSSEX, GB, no. 40, 15 June 1997 (1997-06-15), pages 490 - 492, XP008006303, ISSN: 0362-4803
- [DX] KARRA, SRINIVASA R. ET AL: "99mTc-Labeling and in Vivo Studies of a Bombesin Analog with a Novel Water-Soluble Dithiadiphosphine-Based Bifunctional Chelating Agent", BIOCONJUGATE CHEMISTRY , 10(2), 254-260 CODEN: BCCHES; ISSN: 1043-1802, 1999, XP002340895
- [X] HOFFMAN, TIMOTHY J. [REPRINT AUTHOR] ET AL: "Targeting gastrin releasing peptide receptor (GRP-R) expression in prostate and pancreatic cancer using radiolabeled GRP agonist peptide vectors.", PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, (MARCH, 2000) NO. 41, PP. 529. PRINT. MEETING INFO.: 91ST ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. SAN FRANCISCO, CALIFORNIA, USA. APRIL 01-05, 2000. I, March 2000 (2000-03-01), XP002340914
- [PX] SMITH, CHARLES J. [REPRINT AUTHOR] ET AL: "Radiochemical investigations of 177Lu - DOTA - 8 Aoc - BBN (7-14)NH2: A new gastrin releasing peptide receptor (GRPr) targeting radiopharmaceutical.", JOURNAL OF LABELLED COMPOUNDS AND RADIOPHARMACEUTICALS, (MAY, 2001) VOL. 44, NO. SUPPLEMENT 1, PP. S706-S708. PRINT. MEETING INFO.: FOURTEENTH INTERNATIONAL SYMPOSIUM ON RADIOPHARMACEUTICAL CHEMISTRY. INTERLAKEN, SWITZERLAND. JUNE 10-15, 2001. CODEN:, May 2001 (2001-05-01), XP008051229
- See references of WO 02087631A1

## Cited by

EP1898962A4

## Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

## DOCDB simple family (publication)

**US 2006067886 A1 20060330**; EP 1385556 A1 20040204; EP 1385556 A4 20051019

## DOCDB simple family (application)

**US 26700105 A 20051104**; EP 02725889 A 20020430